### **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	23	mycobacterial and methionine and sulfoximine and ascorbic	US-PGPUB; USPAT	NEAR	ON	2006/07/26 15:23
L2	2	mycobacterial and (methionine sulfoximine) and ascorbic	US-PGPUB; USPAT	NEAR	ON	2006/07/26 15:23
L3	3	mycobacterial and (methionine NEAR3 sulfoximine) and ascorbic	US-PGPUB; USPAT	NEAR	ON	2006/07/26-15:23
S10 0	37	horwitz marcus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/07/24 10:53
S10 1		horwitz-marcus	US-PGPUB; USPAT	NEAR	ION	2006/07/24 11:04
S10 2	18762	mycobacter\$	US-PGPUB; USPAT	NEAR	ON	2006/07/24 11:04
S10 3	24018	mycobacter\$	US-PGPUB; USPAT; USOGR; EPO: JPO: DERWENT	NEAR	ON	2006/07/24 11:05
S10 4	4688	S103 and (sulfoximine or sulfone or sufoxide or sulfonate or sulfonamide or phophonate or phophinate or phophinate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2006/07/24 11:09
\$10 \$	1875	S104 and methionine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2006/07/24 11:07
S10 6	6092	S103 and (sulfoximine or sulfone or sulfoxide or sulfonate or sulfonamide or phophonate or phophinate or phosphonamide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2006/07/24 11:09
S10 7	290	S103 and methionine (sulfoximine or sulfone or sulfoxide or sulfonate or sulfonamide or phophonate or phophinate or phophinate or phosphonamide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2006/07/24 11:09
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1. High Extracellular Levels of Mycobacterium tuberculosis Glutamine Synthetase and Superoxide Dismutase in Actively Growing...

Tullius, Michael V. / Harth, GÃf¼nter / Horwitz, Marcus A., Infection and Immunity, Sep 2002

Glutamine synthetase (GS) and superoxide dismutase (SOD), large...thought to play important roles in the pathogenicity of Mycobacterium tuberculosis, are among the bacterium's major culture...glnA1 and sodA) from the rapid-growing, nonpathogenic Mycobacterium smegmatis, generated glnA1 and sodA mutants of M...

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Harth, G / Clemens, D L / Horwitz, M A, Proceedings of the National Academy of Sciences of the United States of America, Aug 2001

...and extracellular release of glutamine synthetase [L-glutamate:ammonia...ADPforming), EC 6.3.1.2] of Mycobacterium tuberculosis. The purified, homogeneous M. tuberculosis glutamine synthetase appears to consist...hexagons. In the catalysis of Lglutamine, the enzyme has an apparent...

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...drug-resistant strains of Mycobacterium tuberculosis are urgently...against the mRNA of glutamine synthetase, an enzyme...antisense PS-ODNs reduced glutamine synthetase activity...recombinant strain of Mycobacterium smegmatis expressing M.

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...drug-resistant strains of **Mycobacterium** tuberculosis are urgently...against the mRNA of **glutamine** synthetase, an enzyme...antisense PS-ODNs reduced **glutamine** synthetase activity...recombinant strain of **Mycobacterium** smegmatis expressing M. tuberculosis **glutamine** synthetase selectively...

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G Harth / M A Horwitz, J Exp Med, May 1999

**Mycobacterium** tuberculosis and other pathogenic...extracellular protein, the enzyme **glutamine** synthetase, is of particular interest...presence of a poly-L-glutamate/**glutamine** structure in the mycobacterial...we investigated the influence of **glutamine** synthetase inhibitors on the growth...

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